

State Transportation Plan & State Freight Plan 2022 Updates

MPO/RPA Quarterly Meeting
June 23, 2021

A decorative graphic consisting of four overlapping chevrons pointing to the right, located at the bottom right of the slide. The chevrons are in shades of grey and white, with the first being the darkest and the last being the lightest.

Agenda

- SLRTP update
 - Public survey summary
 - Critical analyses timeline
- SFP update
 - Freight networks

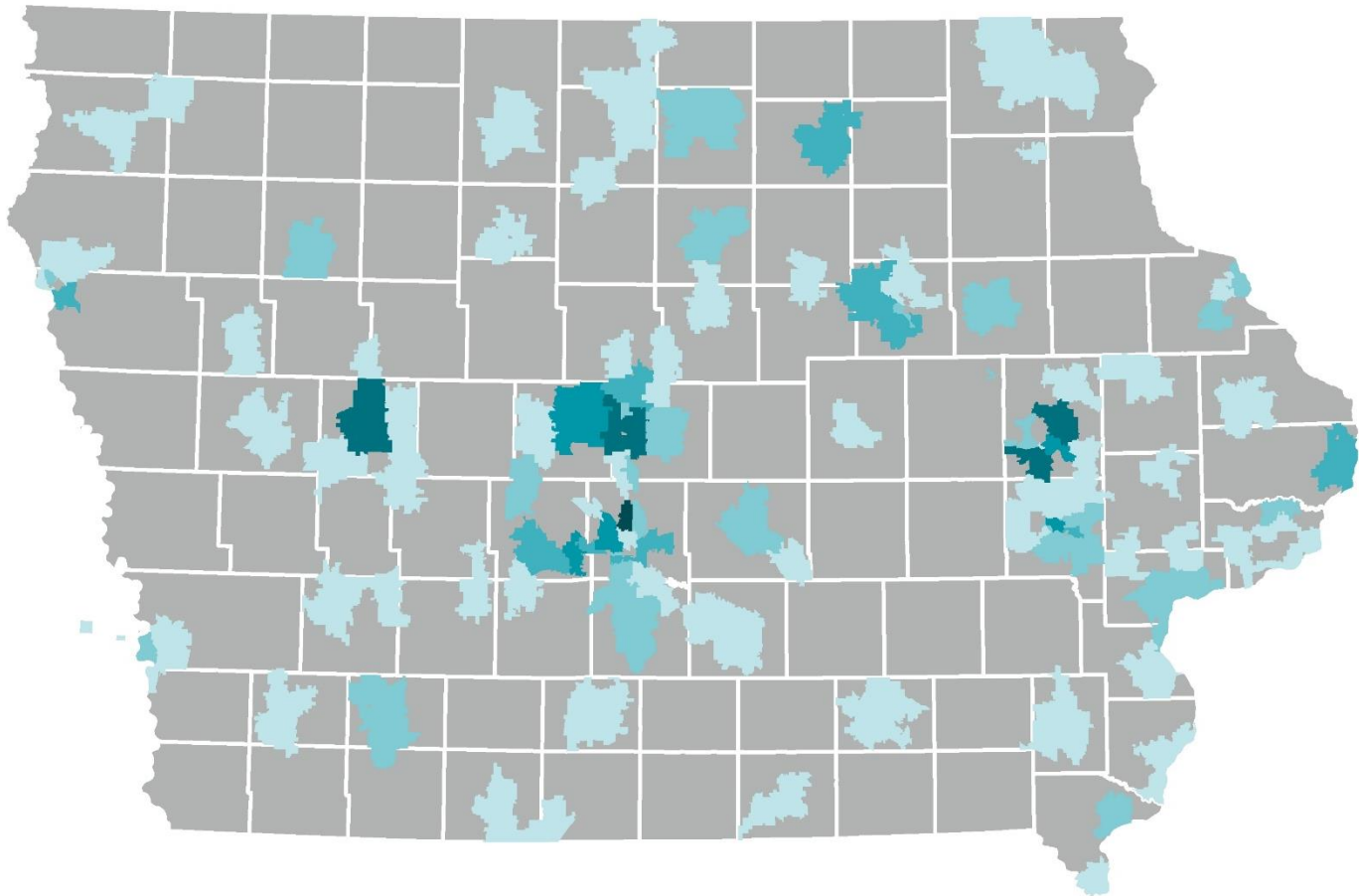
Long Range Transportation Plan
Public survey summary



Public input survey

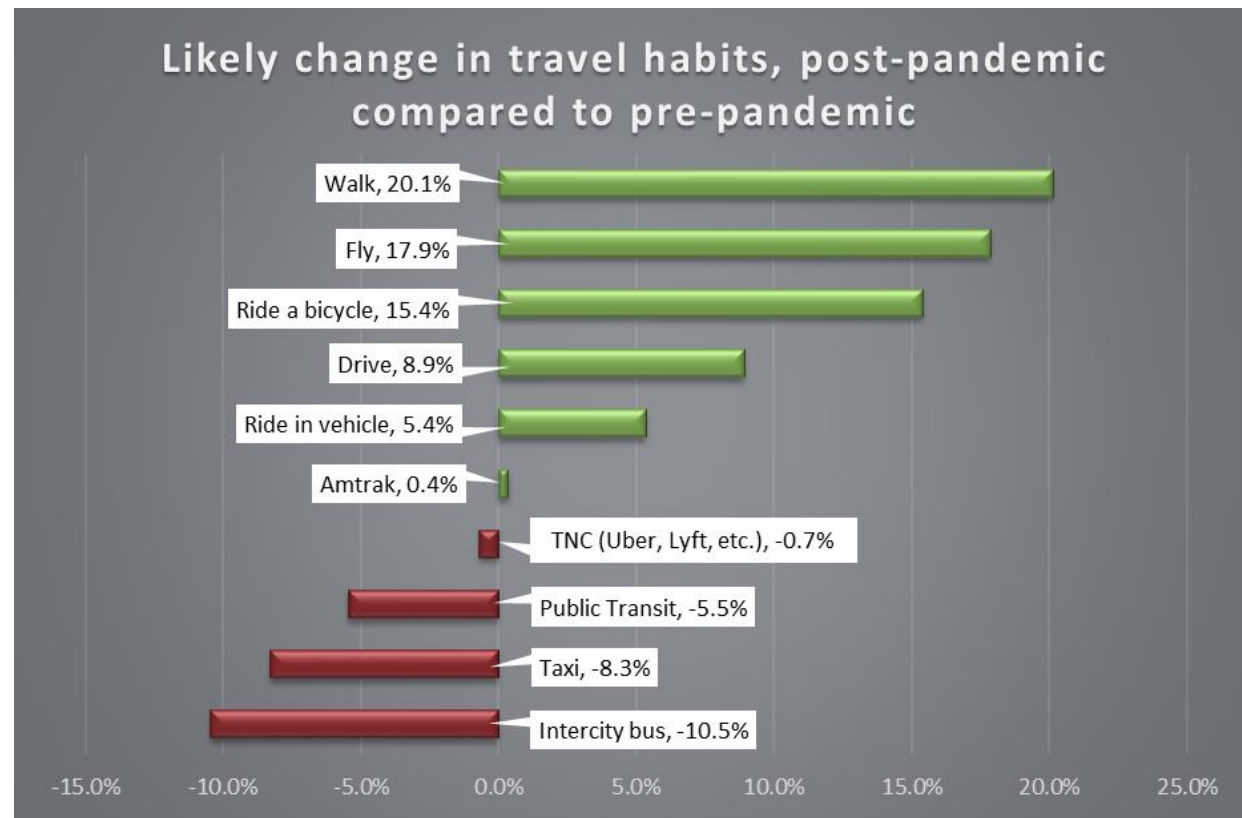
- Was available May 19 – June 8
- Advertised through press release, social media, and extensive stakeholder distribution
- 281 responses
- Good geographic coverage, but limited media coverage and general participation
- Results still provide good feedback; considering options for conducting another similar survey

Responses by zip code



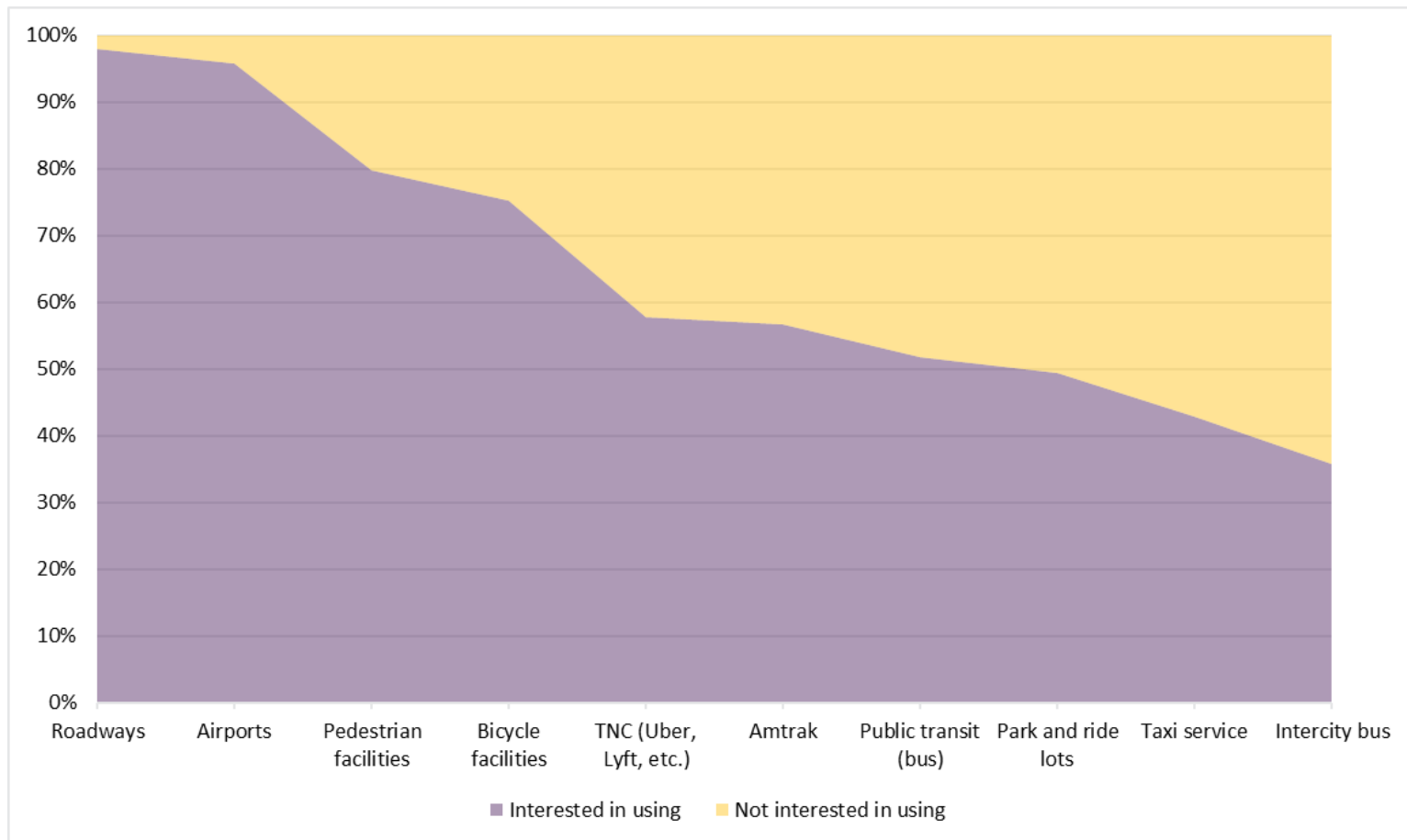
COVID-19 impacts

- Changes in travel modes
- Increase in home deliveries
- Increase in working from home



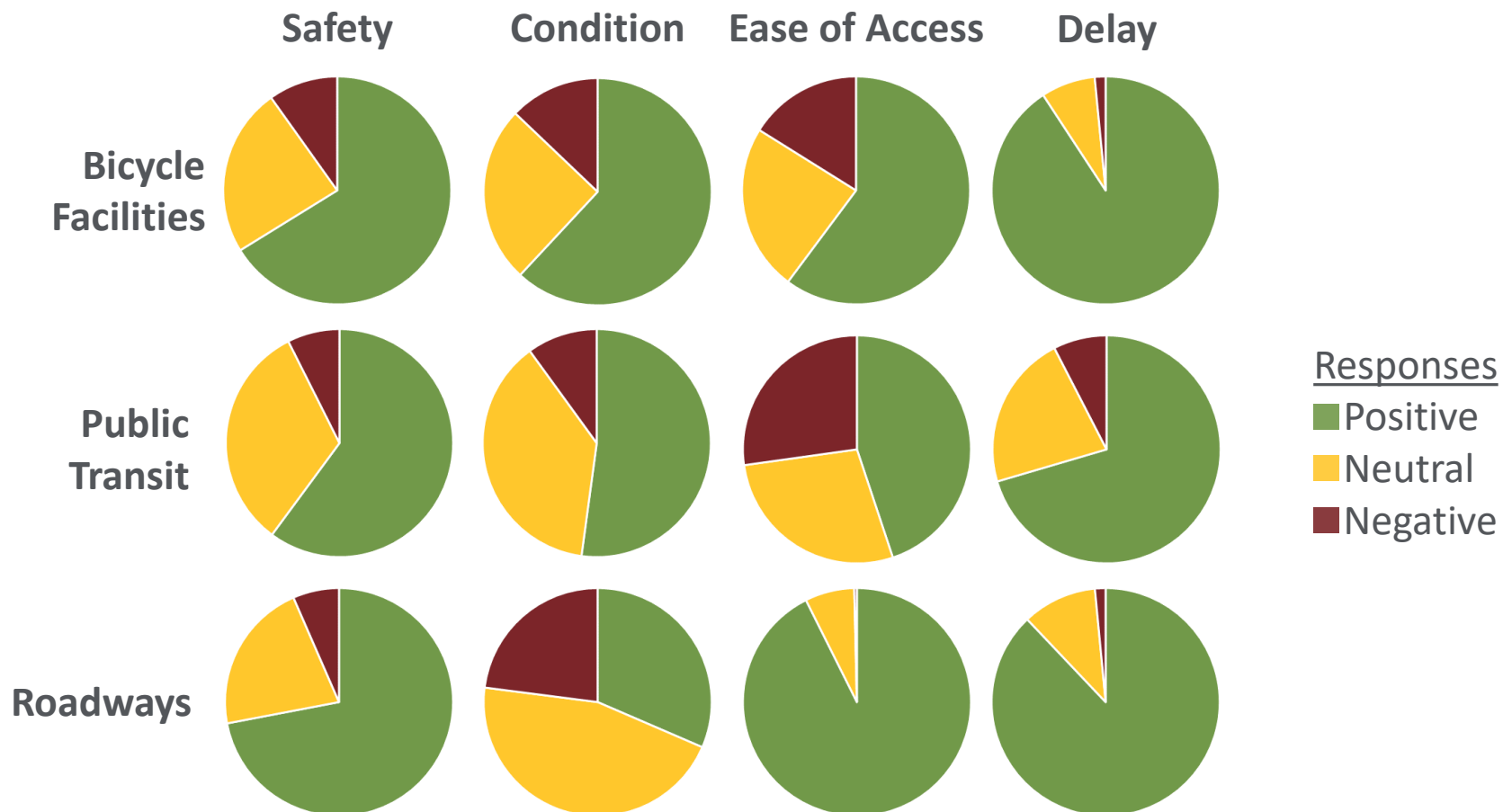
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Level of interest in using mode/infrastructure



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System objectives: example of differences among modes, which may help inform strategies



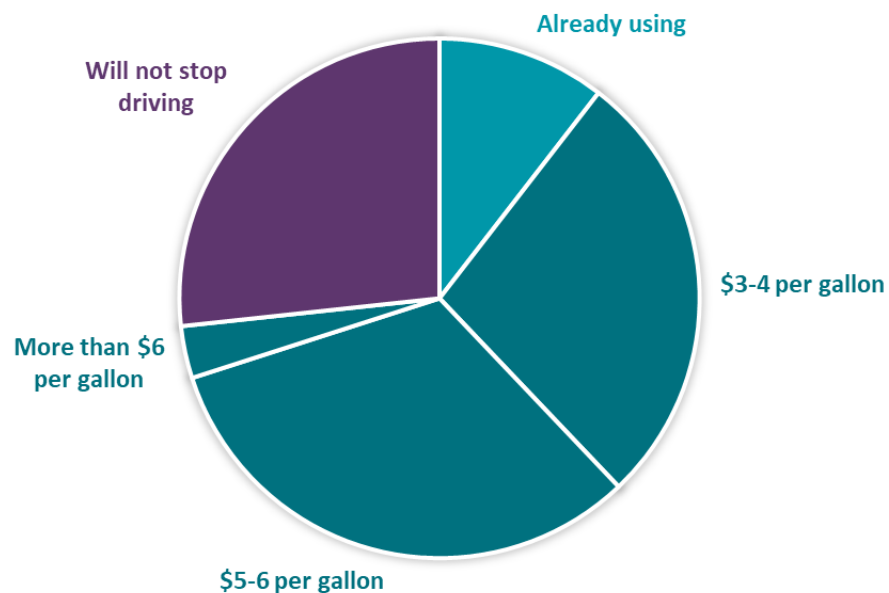
System objectives

- Modes/infrastructure ranked by percent of positive responses

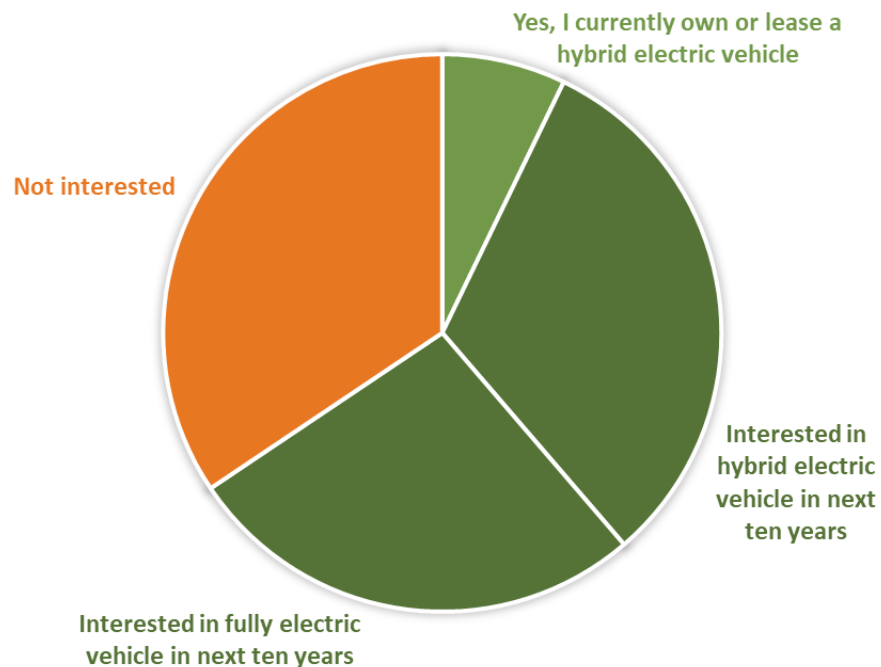
	Safety	Condition	Accessibility	Delay	Average
Airports	1	1	2	7	2.75
Pedestrian facilities	3	4	3	1	2.75
Bicycle facilities	4	2	4	2	3
Roadways	2	8	1	3	3.5
TNC (Uber, Lyft, etc.)	8	3	5	5	5.25
Public transit (bus)	6	5	7	6	6
Park and ride lots	7	6	8	4	6.25
Amtrak	5	7	10	10	8
Taxi service	10	9	6	9	8.5
Intercity bus	9	10	9	8	9

Fuel prices and electric vehicles

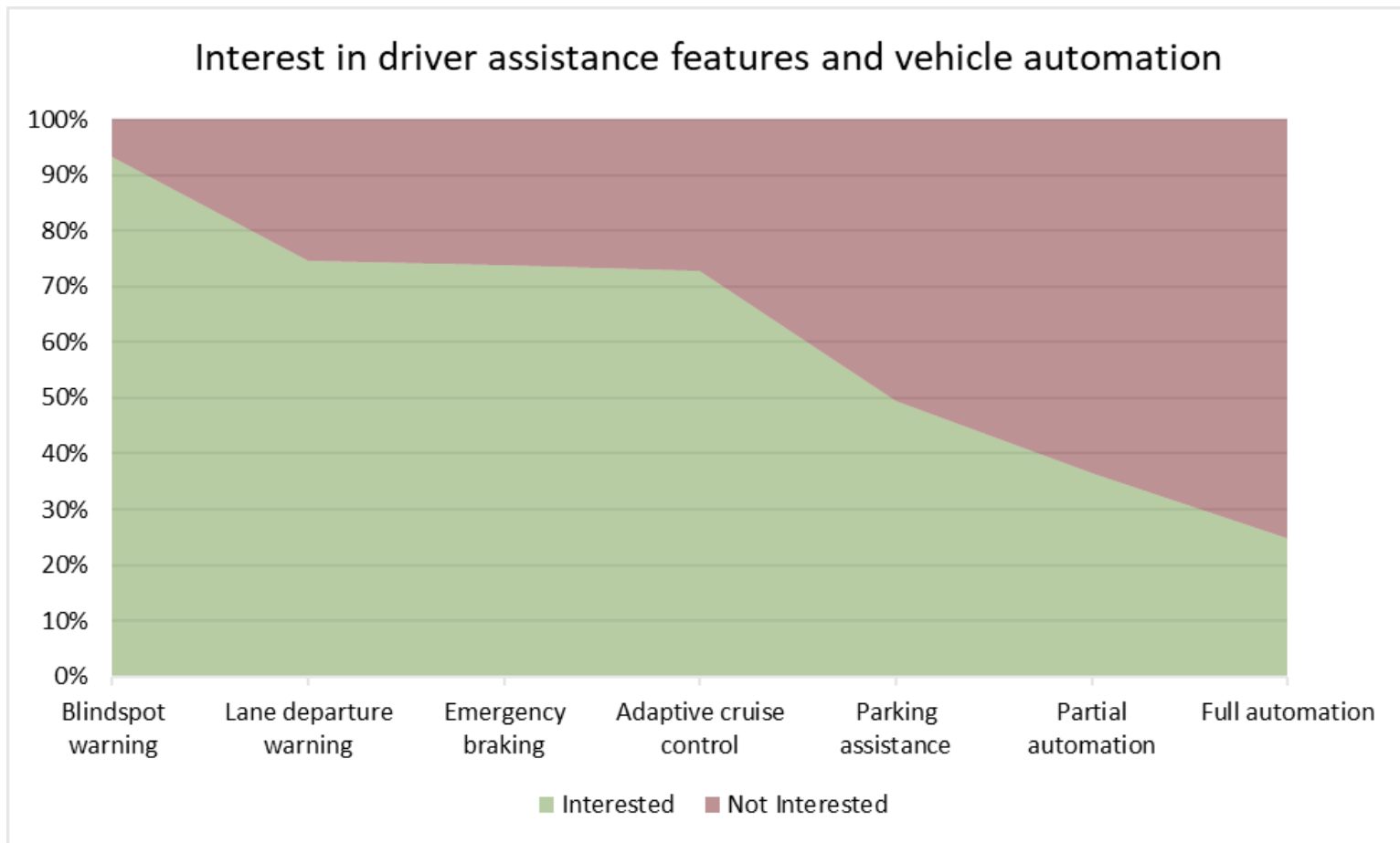
If the price of fuel increased substantially, at what point would you start exploring alternative modes of transportation instead of driving?



Do you own or are you interesting in purchasing an electric vehicle?

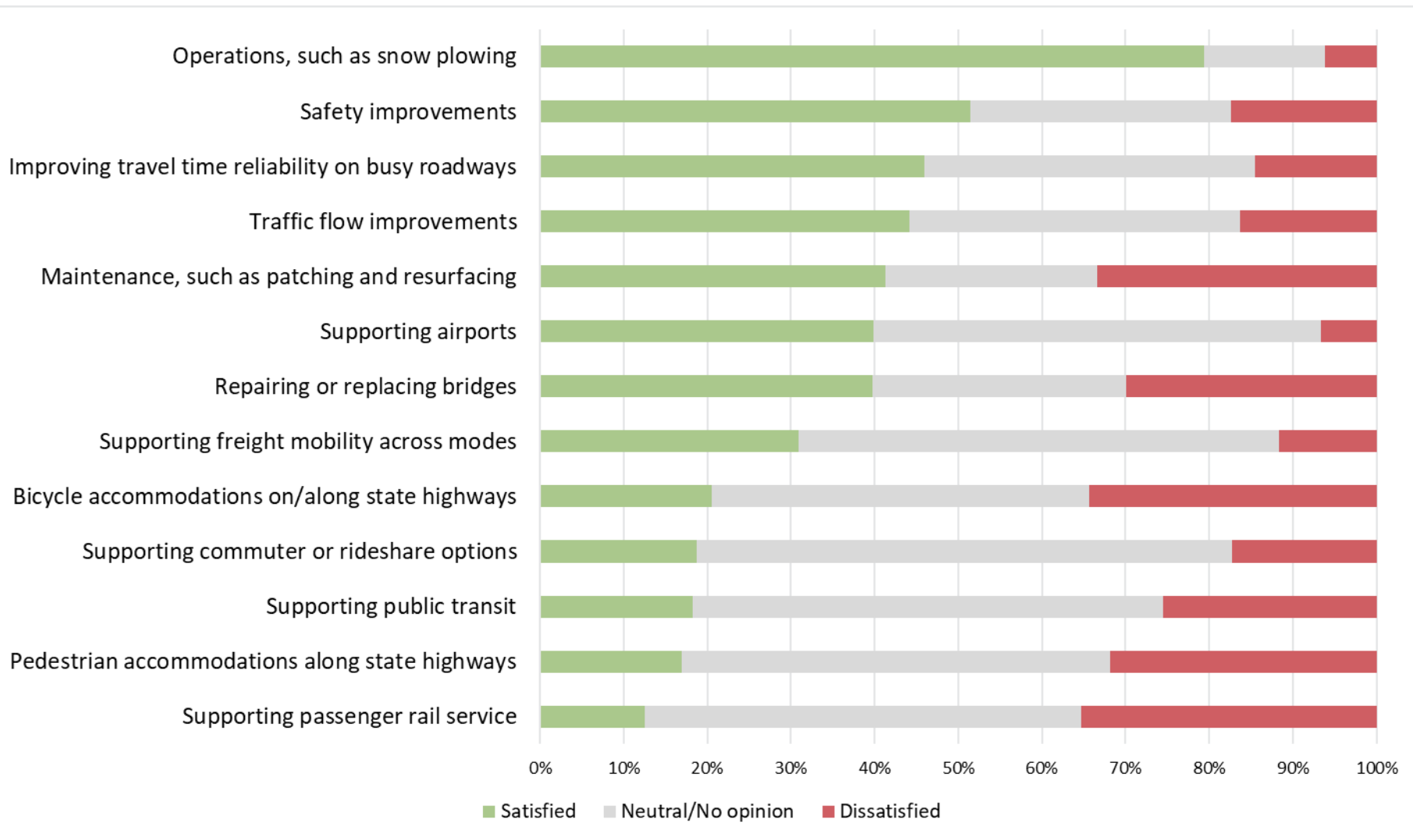


Future technology options



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Satisfaction with Iowa DOT



Long Range Transportation Plan **Critical analyses timeline**



Critical analyses timeline

- Infrastructure condition analysis (ICE) – complete
- Operations analysis (ICE-OPS) – complete
- Freight network updates – complete
- Bottlenecks analysis (INRIX) – complete
- Capacity analysis (iTRAM) – July
- Safety analysis – late summer
- Resiliency analysis – late summer
- Modal systems analysis – ongoing
- *Accessibility/equity analysis – TBD*



QUESTIONS?



Andrea White
Statewide Planning Coordinator
andrea.white@iowadot.us



State Freight Plan **Freight Networks**

MPO/RPA Quarterly | June 23, 2021



Multimodal networks

- Objective
 - Designate freight network locations to protect and enhance for improved freight mobility
- Methodology and components
 - Iowa Multimodal Freight Network
 - National Multimodal Freight Network
- Next steps

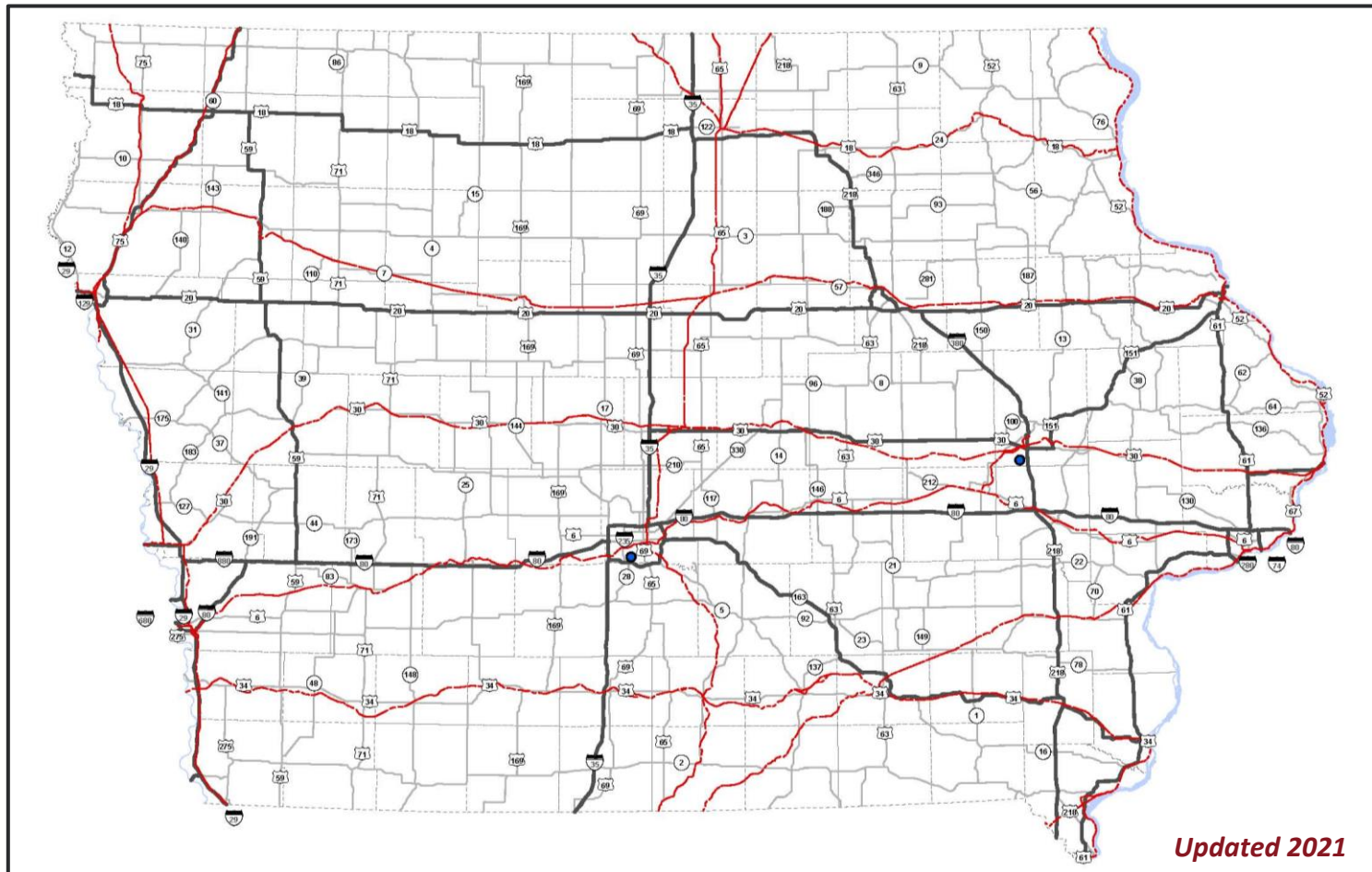
Iowa Multimodal Freight Network

AIR	Top cargo airports
HIGHWAY	Truck traffic <i>(30% truck traffic* or 1,000 AADT*)</i> Oversize/overweight permitted loads <i>(1,000 permits annually*)</i>
RAIL	Tonnage per line <i>(5 million tons per mile*)</i>
WATERWAY	Marine highways

**based on a multiyear average*

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Iowa Multimodal Freight Network



National Multimodal Freight Network

AIR	Top 50 cargo airports
HIGHWAY	National Highway Freight Network <i>(Primary Highway Freight System, Interstates, Critical Rural and Urban Freight Corridors)</i>
RAIL	Class I railroads Other strategic Class II and III railroads
WATERWAY	Major coastal ports Inland and intercoastal waterways Great Lakes, St. Lawrence Seaway Coastal and ocean routes

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National Multimodal Freight Network - highway

CRITICAL URBAN FREIGHT CORRIDORS

SIMPCO

Patton St (I-29 to Blvd of Champions)
 Aviation Blvd (I-29 to Discovery Blvd)

MAPA

S. Expressway, 23rd, 29th (I-29/80 to Bartlett Grain)
 IA 92, H. Langdon Blvd (I-29 to Intermodal Yard)

AAMPO

13th, Dayton (I-35 to Old Bloomington)
 Dayton (US 30 to 13th)
 US 30, Dayton, 18th (I-35 to Mannatts)

DMAMPO

US 69, Maury, 15th, MLK (I-235 to DSM Transload)
 IA 160, State (I-35 to John Deere DSM Works)

INRCOG

US 218 (I-380 to Waterloo boundary)
 Plaza, Dubuque, Elk Run (I-380 to Newell)
 US 20, IA 58 (I-380 to Greenhill)

CORRIDOR

US 30 (C St SW to Edgewood)
 Wright Bros Blvd (I-380 to Cessna)

MPOJC

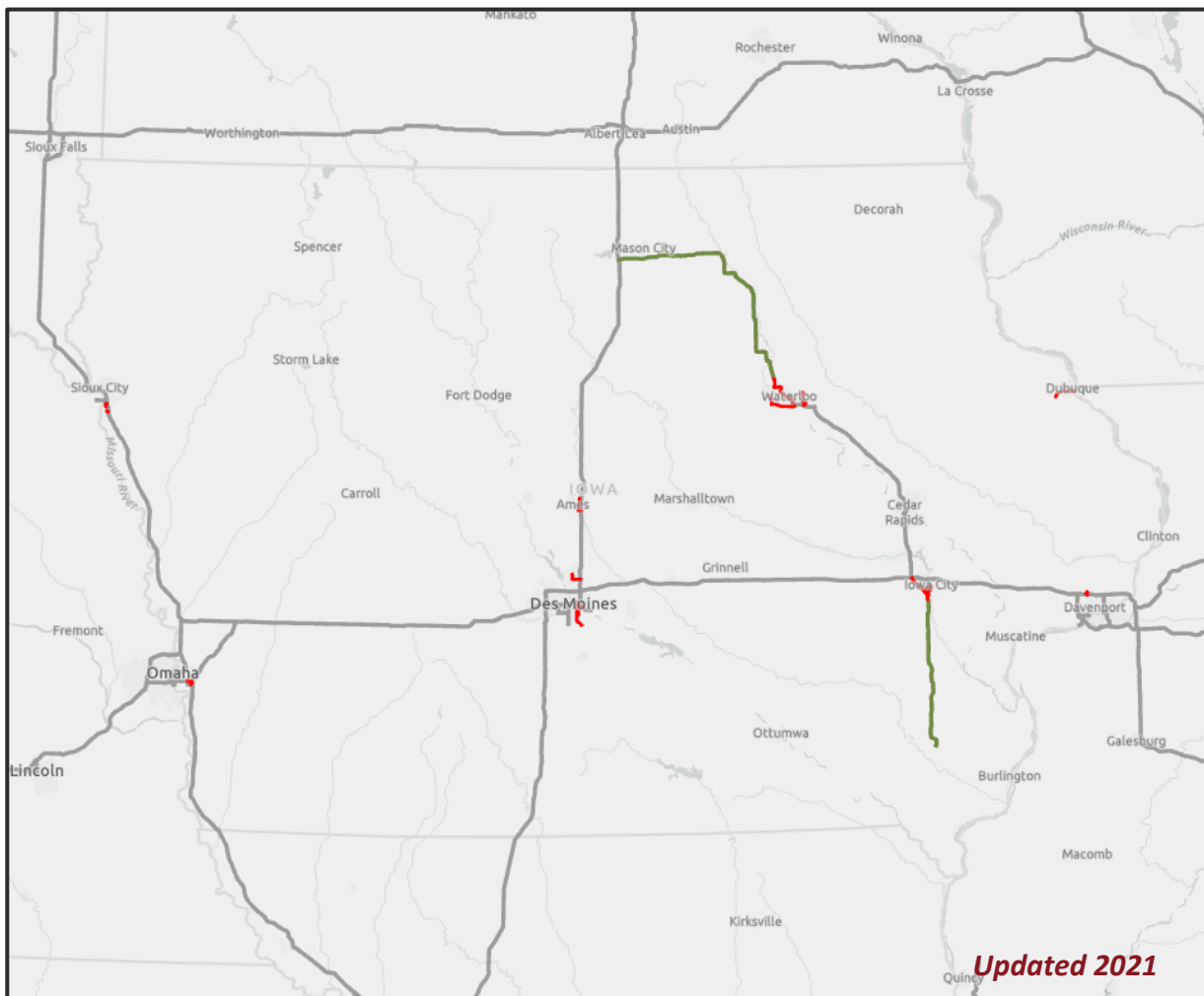
US 218 (I-80 to Poweshiek)
 Old Hwy 218 (US 218 to Gringer Ag)
 IA 1, US 6, Gilbert, Court (US 218 to Front)

ECIA

US 20 (IL to Swiss Valley Rd)

BISTATE

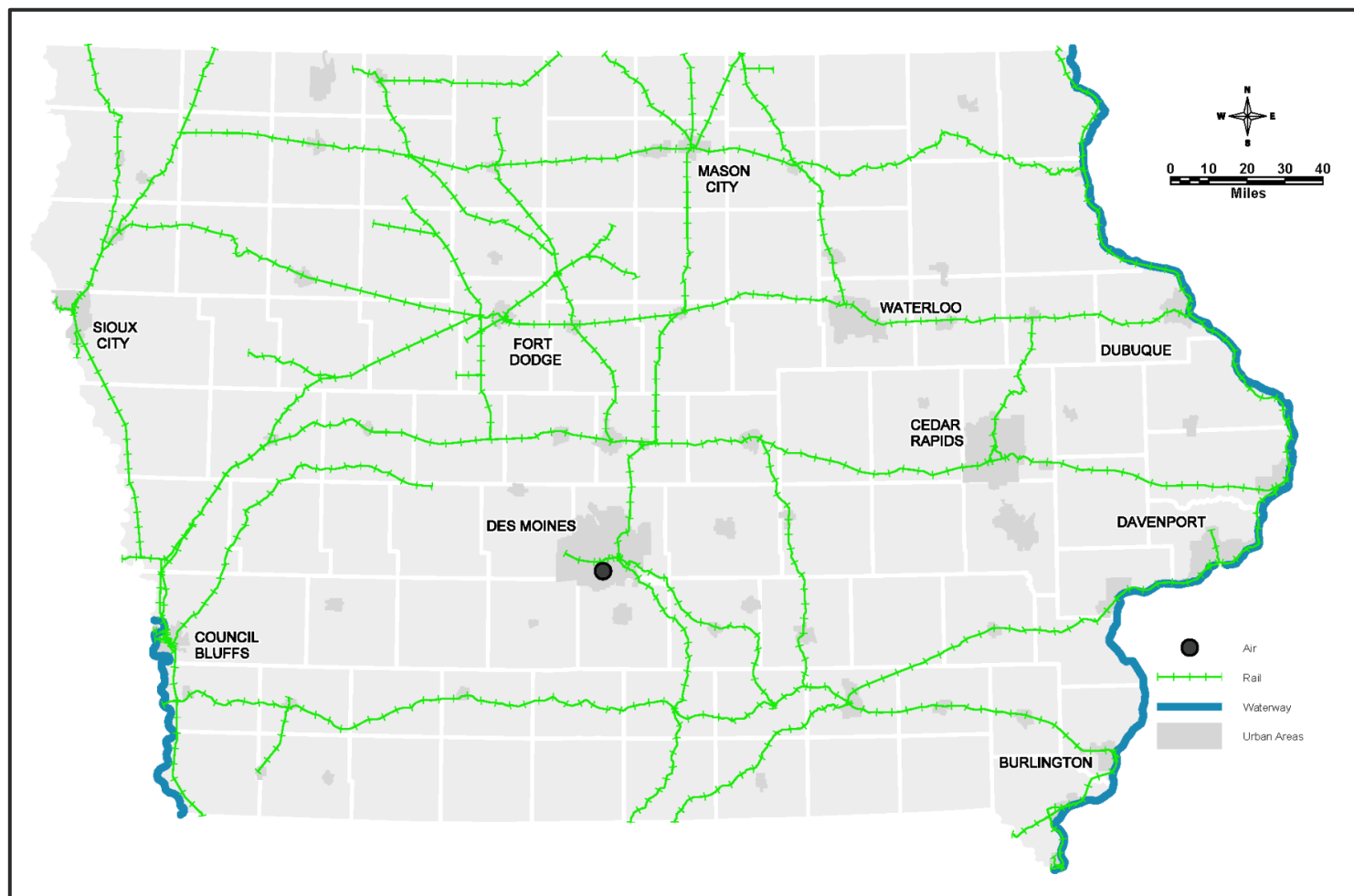
IA 130, Hillandale, Enterprise (I-80 to Transload)



Updated 2021

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National Multimodal Freight Network - nonhighway



Next steps

- Submit formal request to FHWA for CUFC/CRFC designations
- Utilize for design considerations, implementation strategies, improvements, prioritization, etc.



THANK YOU FOR YOUR TIME AND ATTENTION



Sam Hiscocks
Freight Planning Coordinator
515-239-1004
samuel.hiscocks@iowadot.us